

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/584,640  
Source: IFWP  
Date Processed by STIC: 7/12/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 07/12/2006

PATENT APPLICATION: US/10/584,640

TIME: 10:17:46

Input Set : F:\21101.0054P1SEQLIST.TXT

Output Set: N:\CRF4\07122006\J584640.raw

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4 <110> APPLICANT: University of Utah Research Foundation
6     Bock, Susan C.
8 <120> TITLE OF INVENTION: Methods of Using High Affinity ATIII
9     Variants Under High Wall Shear Rate Conditions
12 <130> FILE REFERENCE: 21101.0054P1
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/584,640
C--> 14 <141> CURRENT FILING DATE: 2006-06-26
14 <150> PRIOR APPLICATION NUMBER: 60/618,746
15 <151> PRIOR FILING DATE: 2004-10-14
17 <150> PRIOR APPLICATION NUMBER: 60/535,360
18 <151> PRIOR FILING DATE: 2004-01-09
20 <160> NUMBER OF SEQ ID NOS: 2
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 464
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
31     Synthetic Construct
33 <400> SEQUENCE: 1
34 Met Tyr Ser Asn Val Ile Gly Thr Val Thr Ser Gly Lys Arg Lys Val
35 1      5      10      15
36 Tyr Leu Leu Ser Leu Leu Ile Gly Phe Trp Asp Cys Val Thr Cys
37      20      25      30
38 His Gly Ser Pro Val Asp Ile Cys Thr Ala Lys Pro Arg Asp Ile Pro
39      35      40      45
40 Met Asn Pro Met Cys Ile Tyr Arg Ser Pro Glu Lys Lys Ala Thr Glu
41      50      55      60
42 Asp Glu Gly Ser Glu Gln Lys Ile Pro Glu Ala Thr Asn Arg Arg Val
43      65      70      75      80
44 Trp Glu Leu Ser Lys Ala Asn Ser Arg Phe Ala Thr Thr Phe Tyr Gln
45      85      90      95
46 His Leu Ala Asp Ser Lys Asn Asp Asn Asp Asn Ile Phe Leu Ser Pro
47      100     105     110
48 Leu Ser Ile Ser Thr Ala Phe Ala Met Thr Lys Leu Gly Ala Cys Asn
49      115     120     125
50 Asp Thr Leu Gln Gln Leu Met Glu Val Phe Lys Phe Asp Thr Ile Ser
51      130     135     140
52 Glu Lys Thr Ser Asp Gln Ile His Phe Phe Phe Ala Lys Leu Asn Cys
53      145     150     155     160
54 Arg Leu Tyr Arg Lys Ala Asn Lys Ser Ser Lys Leu Val Ser Ala Asn
55      165     170     175

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```

56 Arg Leu Phe Gly Asp Lys Ser Leu Thr Phe Asn Glu Thr Tyr Gln Asp
57          180          185          190
58 Ile Ser Glu Leu Val Tyr Gly Ala Lys Leu Gln Pro Leu Asp Phe Lys
59          195          200          205
60 Glu Asn Ala Glu Gln Ser Arg Ala Ala Ile Asn Lys Trp Val Ser Asn
61          210          215          220
62 Lys Thr Glu Gly Arg Ile Thr Asp Val Ile Pro Ser Glu Ala Ile Asn
63 225          230          235          240
64 Glu Leu Thr Val Leu Val Leu Val Asn Thr Ile Tyr Phe Lys Gly Leu
65          245          250          255
66 Trp Lys Ser Lys Phe Ser Pro Glu Asn Thr Arg Lys Glu Leu Phe Tyr
67          260          265          270
68 Lys Ala Asp Gly Glu Ser Cys Ser Ala Ser Met Met Tyr Gln Glu Gly
69          275          280          285
70 Lys Phe Arg Tyr Arg Arg Val Ala Glu Gly Thr Gln Val Leu Glu Leu
71          290          295          300
72 Pro Phe Lys Gly Asp Asp Ile Thr Met Val Leu Ile Leu Pro Lys Pro
73 305          310          315          320
74 Glu Lys Ser Leu Ala Lys Val Glu Lys Glu Leu Thr Pro Glu Val Leu
75          325          330          335
76 Gln Glu Trp Leu Asp Glu Leu Glu Glu Met Met Leu Val Val His Met
77          340          345          350
78 Pro Arg Phe Arg Ile Glu Asp Gly Phe Ser Leu Lys Glu Gln Leu Gln
79          355          360          365
80 Asp Met Gly Leu Val Asp Leu Phe Ser Pro Glu Lys Ser Lys Leu Pro
81          370          375          380
82 Gly Ile Val Ala Glu Gly Arg Asp Asp Leu Tyr Val Ser Asp Ala Phe
83 385          390          395          400
84 His Lys Ala Phe Leu Glu Val Asn Glu Glu Gly Ser Glu Ala Ala Ala
85          405          410          415
86 Ser Thr Ala Val Val Ile Ala Gly Arg Ser Leu Asn Pro Asn Arg Val
87          420          425          430
88 Thr Phe Lys Ala Asn Arg Pro Phe Leu Val Phe Ile Arg Glu Val Pro
89          435          440          445
90 Leu Asn Thr Ile Ile Phe Met Gly Arg Val Ala Asn Pro Cys Val Lys
91          450          455          460
93 <210> SEQ ID NO: 2
94 <211> LENGTH: 1599
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
100     Synthetic Construct
102 <400> SEQUENCE: 2
103 caccagcatc atctcctcca attcatccag ctactctgcc catgaagata atagttttca      60
104 ggcggattgc ctcagatcac actatctcca cttgcccgag cctgtggaag attagcggcc      120
105 atgtattcca atgtgatagg aactgtaacc tctggaaaaa ggaagggtta tcttttgtcc      180
106 ttgctgctca ttggcttctg ggactgcgtg acctgtcacg ggagccctgt ggacatctgc      240
107 acagccaagc cgcgggacat tcccatgaat cccatgtgca ttaccgctc cccggagaag      300

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## RAW SEQUENCE LISTING

DATE: 07/12/2006

PATENT APPLICATION: US/10/584,640

TIME: 10:17:46

Input Set : F:\21101.0054P1SEQLIST.TXT

Output Set: N:\CRF4\07122006\J584640.raw

108	aaggcaactg	aggatgaggg	ctcagaacag	aagatcccgg	aggccaccaa	ccggcggtgtc	360
109	tgggaactgt	ccaaggccaa	ttcccgtctt	gctaccactt	tctatcagca	cctggcagat	420
110	tccaagaatg	acaatgataa	catttttctg	tcacccctga	gtatctccac	ggcttttgtc	480
111	atgaccaagc	tgggtgcctg	taatgacacc	ctccagcaac	tgatggaggt	atttaagttt	540
112	gacaccatat	ctgagaaaac	atctgatcag	atccacttct	tctttgccaa	actgaactgc	600
113	cgactctatc	gaaaagccaa	caaatcctcc	aagttagtat	cagccaatcg	cctttttgga	660
114	gacaaatccc	ttaccttcaa	tgagacctac	caggacatca	gtgagttggg	atatggagcc	720
115	aagctccagc	ccctggactt	caaggaaaat	gcagagcaat	ccagagcggc	catcaacaaa	780
116	tgggtgtcca	ataagaccga	aggccgaatc	accgatgtca	ttccctcgga	agccatcaat	840
117	gagctcactg	ttctggtgct	ggttaacacc	atttacttca	agggcctgtg	gaagtcaaag	900
118	ttcagccctg	agaacacaag	gaaggaactg	ttctacaagg	ctgatggaga	gtcgtgttca	960
119	gcatctatga	tgtaccagga	aggcaagtgc	cgttatcggc	gcgtggctga	aggcaccacg	1020
120	gtgcttgagt	tgcccttcaa	aggtgatgac	atcaccatgg	tcctcatctt	gcccgaagcct	1080
121	gagaagagcc	tggccaaggt	ggagaaggaa	ctcaccacag	aggtgctgca	ggagtggctg	1140
122	gatgaattgg	aggagatgat	gctggtggtt	cacatgcccc	gcttccgcat	tgaggacggc	1200
123	ttcagtttga	aggagcagct	gcaagacatg	ggccttgctg	atctgttcag	ccctgaaaag	1260
124	tccaaactcc	caggtattgt	tgcagaaggc	cgagatgacc	tctatgtctc	agatgcattc	1320
125	cataaggcat	ttcttgaggt	aaatgaagaa	ggcagtgaag	cagctgcaag	taccgctgtt	1380
126	gtgattgctg	gccgttcgct	aaaccccaac	agggtgactt	tcaaggccaa	caggcccttc	1440
127	ctggttttta	taagagaagt	tcctctgaac	actattatct	tcatgggcag	agtagccaac	1500
128	ccttggtgta	agtaaaatgt	tcttattctt	tgcacctctt	cctatttttg	gtttgtgaac	1560
129	agaagtaaaa	ataaatacaa	actacttcca	tctcacatt			1599

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/584,640

DATE: 07/12/2006

TIME: 10:17:47

Input Set : F:\21101.0054PlSEQLIST.TXT

Output Set: N:\CRF4\07122006\J584640.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date